Naoki Toyooka

List of Publications by Year
in descending order

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		186265	276875
143	2,746	28	41
papers	citations	h-index	g-index

148	148	148	2817
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Development of cisplatin resistance in breast cancer MCF7 cells by up-regulating aldo-keto reductase 1C3 expression, glutathione synthesis and proteasomal proteolysis. Journal of Biochemistry, 2022, 171, 97-108.	1.7	4
2	Bombyx mori-derived aldo-keto reductase AKR2E8 detoxifies aldehydes present in mulberry leaves. Chemico-Biological Interactions, 2022, 351, 109717.	4.0	2
3	Design and synthesis of pyrido[2,3-d]pyrimidine derivatives for a novel PAC1 receptor antagonist. European Journal of Medicinal Chemistry, 2022, 231, 114160.	5.5	3
4	Divergent Synthesis of Decahydroquinolineâ€Type Poisonâ€Frog Alkaloids. ChemistrySelect, 2022, 7, .	1.5	1
5	Suvorexant and mirtazapine improve chronic pain-related changes in parameters of sleep and voluntary physical performance in mice with sciatic nerve ligation. PLoS ONE, 2022, 17, e0264386.	2.5	3
6	Discovery and Structure-Based Optimization of Novel Atg4B Inhibitors for the Treatment of Castration-Resistant Prostate Cancer. Journal of Medicinal Chemistry, 2022, 65, 4878-4892.	6.4	4
7	Porcine aldo-keto reductase 1C subfamily members AKR1C1 and AKR1C4: Substrate specificity, inhibitor sensitivity and activators. Journal of Steroid Biochemistry and Molecular Biology, 2022, 221, 106113.	2.5	2
8	Abietane diterpenes from Abies spectabilis and their anti-pancreatic cancer activity against the MIA PaCa-2 cell line. Bioorganic and Medicinal Chemistry Letters, 2022, 66, 128723.	2.2	5
9	Total Synthesis of 4â€™â€Oâ€Methylgrynullarin and Related Isoflavone Natural Products. ChemistrySelect, 2022, 7, .	1.5	5
10	Coupling of acceptor-substituted diazo compounds and tertiary thioamides: synthesis of enamino carbonyl compounds and their pharmacological evaluation. RSC Advances, 2022, 12, 19431-19444.	3.6	1
11	Fragranone C: a new dihydrochalcone glucopyranoside from Anneslea fragrans twigs. Natural Product Research, 2021, 35, 3895-3900.	1.8	4
12	Anti-Austerity Activity of Thai Medicinal Plants: Chemical Constituents and Anti-Pancreatic Cancer Activities of Kaempferia parviflora. Plants, 2021, 10, 229.	3.5	13
13	Divergent Syntheses of Pumiliotoxinâ€Type Poisonâ€Frog Alkaloids. ChemistrySelect, 2021, 6, 1939-1945.	1.5	2
14	Targeting Nrf2-antioxidant signalling reverses acquired cabazitaxel resistance in prostate cancer cells. Journal of Biochemistry, 2021, 170, 89-96.	1.7	14
15	Characterization of aldo-keto reductase 1C subfamily members encoded in two rat genes (akr1c19 and) Tj ETQq1 1 0.784314 rgBT /O Biophysics, 2021, 700, 108755.	3.0	1
16	The Role of AKR1B10 in Physiology and Pathophysiology. Metabolites, 2021, 11, 332.	2.9	35
17	Protective Effect of Aldoâ€“keto Reductase 1B1 Against Neuronal Cell Damage Elicited by 4â€²-Fluoro-Î±-pyrrolidinononanophenone. Neurotoxicity Research, 2021, 39, 1360-1371.	2.7	2
18	Elevation of Chemosensitivity of Lung Adenocarcinoma A549 Spheroid Cells by Claudin-2 Knockdown through Activation of Glucose Transport and Inhibition of Nrf2 Signal. International Journal of Molecular Sciences, 2021, 22, 6582.	4.1	9

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19	Inhibitory activities of anthraquinone and xanthone derivatives against transthyretin amyloidogenesis. Bioorganic and Medicinal Chemistry, 2021, 44, 116292.	3.0	2
20	Aldo-keto reductase inhibitors increase the anticancer effects of tyrosine kinase inhibitors in chronic myelogenous leukemia. Journal of Pharmacological Sciences, 2021, 147, 1-8.	2.5	2
21	9,10-Phenanthrenequinone provokes dysfunction of brain endothelial barrier through down-regulating expression of claudin-5. Toxicology, 2021, 461, 152896.	4.2	6
22	Loxoprofen enhances intestinal barrier function via generation of its active metabolite by carbonyl reductase 1 in differentiated Caco-2Âcells. Chemico-Biological Interactions, 2021, 348, 109634.	4.0	4
23	Total Synthesis of Decahydroquinoline Poison Frog Alkaloids ent-cis-195A and cis-211A. Molecules, 2021, 26, 7529.	3.8	5
24	Human dehydrogenase/reductase SDR family member 11 (DHRS11) and aldo-keto reductase 1C isoforms in comparison: Substrate and reaction specificity in the reduction of 11-keto-C19-steroids. Journal of Steroid Biochemistry and Molecular Biology, 2020, 199, 105586.	2.5	13
25	Claudin-2 binding peptides, VPDSM and DSMKF, down-regulate claudin-2 expression and anticancer resistance in human lung adenocarcinoma A549 cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118642.	4.1	12
26	Synthesis of a novel and potent small-molecule antagonist of PAC1 receptor for the treatment of neuropathic pain. European Journal of Medicinal Chemistry, 2020, 186, 111902.	5.5	12
27	Cystitis-Related Bladder Pain Involves ATP-Dependent HMGB1 Release from Macrophages and Its Downstream H2S/Cav3.2 Signaling in Mice. Cells, 2020, 9, 1748.	4.1	27
28	Polymorphisms in androgen metabolism genes with serum testosterone levels and prognosis in androgen-deprivation therapy. Urologic Oncology: Seminars and Original Investigations, 2020, 38, 849.e11-849.e18.	1.6	11
29	Significance of aldo-keto reductase 1C3 and ATP-binding cassette transporter B1 in gain of irinotecan resistance in colon cancer cells. Chemico-Biological Interactions, 2020, 332, 109295.	4.0	13
30	Development of Novel AKR1C3 Inhibitors as New Potential Treatment for Castration-Resistant Prostate Cancer. Journal of Medicinal Chemistry, 2020, 63, 10396-10411.	6.4	32
31	Increase in Toxicity of Anticancer Drugs by PMTPV, a Claudin-1-Binding Peptide, Mediated via Down-Regulation of Claudin-1 in Human Lung Adenocarcinoma A549 Cells. International Journal of Molecular Sciences, 2020, 21, 5909.	4.1	6
32	A divergent entry to 1,2,3,9-tetrahydroxyquinolizidines. Tetrahedron Letters, 2020, 61, 152030.	1.4	0
33	Fragranol A: A new class of spiro-triflavanoid hybrid with an unprecedented carbon skeleton from Anneslea fragrans. Tetrahedron Letters, 2020, 61, 152099.	1.4	8
34	Highly Potent Antiausterity Agents from Callistemon citrinus and Their Mechanism of Action against the PANC-1 Human Pancreatic Cancer Cell Line. Journal of Natural Products, 2020, 83, 2221-2232.	3.0	27
35	Chemical constituents of Callistemon citrinus from Egypt and their antiausterity activity against PANC-1 human pancreatic cancer cell line. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127352.	2.2	18
36	Kaempferide Enhances Chemosensitivity of Human Lung Adenocarcinoma A549 Cells Mediated by the Decrease in Phosphorylation of Akt and Claudin-2 Expression. Nutrients, 2020, 12, 1190.	4.1	17

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37	Identification and Total Synthesis of Two Previously Unreported Odd-Chain Bis-Methylene-Interrupted Fatty Acids with a Terminal Olefin that Activate Protein Phosphatase, Mg2+/Mn2+-Dependent 1A (PPM1A) in Ovaries of the Limpet Cellana toreuma. Marine Drugs, 2019, 17, 410.	4.6	5
38	Rescue of tight junctional localization of a claudin-16 mutant D97S by antimalarial medicine primaquine in Madin-Darby canine kidney cells. Scientific Reports, 2019, 9, 9647.	3.3	5
39	Novel Atg4B inhibitors potentiate cisplatin therapy in lung cancer cells through blockade of autophagy. Computational Toxicology, 2019, 12, 100095.	3.3	4
40	Mouse Akr1cl gene product is a prostaglandin D2 11-ketoreductase with strict substrate specificity. Archives of Biochemistry and Biophysics, 2019, 674, 108096.	3.0	2
41	Prenylflavanones as Novel T-Type Calcium Channel Blockers Useful for Pain Therapy. Natural Product Communications, 2019, 14, 1934578X1987344.	0.5	2
42	Pathophysiological roles of autophagy and aldo-keto reductases in development of doxorubicin resistance in gastrointestinal cancer cells. Chemico-Biological Interactions, 2019, 314, 108839.	4.0	16
43	Chrysin enhances anticancer drug-induced toxicity mediated by the reduction of claudin-1 and 11 expression in a spheroid culture model of lung squamous cell carcinoma cells. Scientific Reports, 2019, 9, 13753.	3.3	24
44	Design and synthesis of functionalized coumarins as potential anti-austerity agents that eliminates cancer cells' tolerance to nutrition starvation. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 1779-1784.	2.2	24
45	Formal Syntheses of (â^')-Lepadiformines A, C, and (â^')-Fasicularin. Journal of Organic Chemistry, 2019, 84, 5222-5229.	3.2	9
46	ZO-2 Suppresses Cell Migration Mediated by a Reduction in Matrix Metalloproteinase 2 in Claudin-18-Expressing Lung Adenocarcinoma A549 Cells. Biological and Pharmaceutical Bulletin, 2019, 42, 247-254.	1.4	7
47	AS1949490, an inhibitor of 5â€²-lipid phosphatase SHIP2, promotes protein kinase C-dependent stabilization of brain-derived neurotrophic factor mRNA in cultured cortical neurons. European Journal of Pharmacology, 2019, 851, 69-79.	3.5	3
48	Flavonol glycosides of Rosa multiflora regulates intestinal barrier function through inhibiting claudin expression in differentiated Caco-2 cells. Nutrition Research, 2019, 72, 92-104.	2.9	11
49	Caffeic acid phenethyl ester potentiates gastric cancer cell sensitivity to doxorubicin and cisplatin by decreasing proteasome function. Anti-Cancer Drugs, 2019, 30, 251-259.	1.4	21
50	Synthesis and olfactory properties of Phantolide analogues in racemic and optically active forms. Flavour and Fragrance Journal, 2019, 34, 113-123.	2.6	2
51	Critical role of Cav3.2 T-type calcium channels in the peripheral neuropathy induced by bortezomib, a proteasome-inhibiting chemotherapeutic agent, in mice. Toxicology, 2019, 413, 33-39.	4.2	42
52	The novel small-molecule antagonist of PAC1 receptor attenuates formalin-induced inflammatory pain behaviors in mice. Journal of Pharmacological Sciences, 2019, 139, 129-132.	2.5	11
53	Upregulation of transient receptor potential melastatin 6 channel expression by rosiglitazone and allâ€transâ€retinoic acid in erlotinibâ€treated renal tubular epithelial cells. Journal of Cellular Physiology, 2019, 234, 8951-8962.	4.1	4
54	Caffeic acid phenethyl ester down-regulates claudin-2 expression at the transcriptional and post-translational levels and enhances chemosensitivity to doxorubicin in lung adenocarcinoma A549 cells. Journal of Nutritional Biochemistry, 2018, 56, 205-214.	4.2	19

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55	Decrease in paracellular permeability and chemosensitivity to doxorubicin by claudin-1 in spheroid culture models of human lung adenocarcinoma A549 cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 769-780.	4.1	23
56	In Silico Screening Identified Novel Small-molecule Antagonists of PAC1 Receptor. Journal of Pharmacology and Experimental Therapeutics, 2018, 365, 1-8.	2.5	25
57	Autophagy inhibition enhances anticancer efficacy of artepillin C, a cinnamic acid derivative in Brazilian green propolis. Biochemical and Biophysical Research Communications, 2018, 497, 437-443.	2.1	37
58	Elevation of sensitivity to anticancer agents of human lung adenocarcinoma A549 cells by knockdown of claudin-2 expression in monolayer and spheroid culture models. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 470-479.	4.1	20
59	Photoinduced Generation of Acyl Radicals from Simple Aldehydes, Access to 3-Acyl-4-arylcoumarin Derivatives, and Evaluation of Their Antiandrogenic Activities. Journal of Organic Chemistry, 2018, 83, 1988-1996.	3.2	57
60	Design, synthesis, and evaluation of novel inhibitors for wild-type human serine racemase. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 441-445.	2.2	9
61	Facilitation of 9,10-phenanthrenequinone-elicited neuroblastoma cell apoptosis by NAD(P)H:quinone oxidoreductase 1. Chemico-Biological Interactions, 2018, 279, 10-20.	4.0	8
62	Sodium Citrate Increases Expression and Flux of Mg2+ Transport Carriers Mediated by Activation of MEK/ERK/c-Fos Pathway in Renal Tubular Epithelial Cells. Nutrients, 2018, 10, 1345.	4.1	8
63	Increase in resistance to anticancer drugs involves occludin in spheroid culture model of lung adenocarcinoma A549 cells. Scientific Reports, 2018, 8, 15157.	3.3	13
64	Sibutramine facilitates apoptosis and contraction of aortic smooth muscle cells through elevating production of reactive oxygen species. European Journal of Pharmacology, 2018, 841, 113-121.	3.5	10
65	Synthesis of 8-deoxypumiliotoxin 193H and 9-deoxyhomopumiliotoxin 207O. Tetrahedron Letters, 2018, 59, 3797-3800.	1.4	8
66	Design and synthesis of novel anti-hyperalgesic agents based on 6-prenylnaringenin as the T-type calcium channel blockers. Bioorganic and Medicinal Chemistry, 2018, 26, 4410-4427.	3.0	13
67	Blockade of T-type calcium channels by 6-prenylnaringenin, a hop component, alleviates neuropathic and visceral pain in mice. Neuropharmacology, 2018, 138, 232-244.	4.1	24
68	Down-regulation of Claudin-2 Expression and Proliferation by Epigenetic Inhibitors in Human Lung Adenocarcinoma A549 Cells. Journal of Biological Chemistry, 2017, 292, 2411-2421.	3.4	36
69	(4Z,15Z)â€Octadecadienoic Acid Inhibits Glycogen Synthase Kinaseâ€3Î² and Glucose Production in H4IIE Cells. Lipids, 2017, 52, 295-301.	1.7	14
70	Structure-activity relationship for toxicity of Î±-pyrrolidinophenones in human aortic endothelial cells. Forensic Toxicology, 2017, 35, 309-316.	2.4	13
71	The RING finger- and PDZ domain-containing protein PDZRN3 controls localization of the Mg2+ regulator claudin-16 in renal tube epithelial cells. Journal of Biological Chemistry, 2017, 292, 13034-13044.	3.4	21
72	Î±-Pyrrolidinononanophenone provokes apoptosis of neuronal cells through alterations in antioxidant properties. Toxicology, 2017, 386, 93-102.	4.2	29

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73	A novel serine racemase inhibitor suppresses neuronal over-activation in vivo. Bioorganic and Medicinal Chemistry, 2017, 25, 3736-3745.	3.0	13
74	Upâ€Regulation of Transient Receptor Potential Melastatin 6 Channel Expression by Tumor Necrosis Factorâ€Î± in the Presence of Epidermal Growth Factor Receptor Tyrosine Kinase Inhibitor. Journal of Cellular Physiology, 2017, 232, 2841-2850.	4.1	6
75	Instability of C154Y variant of aldo-keto reductase 1C3. Chemico-Biological Interactions, 2017, 276, 194-202.	4.0	7
76	Synthesis of Potent and Selective Inhibitors of Aldo-Keto Reductase 1B10 and Their Efficacy against Proliferation, Metastasis, and Cisplatin Resistance of Lung Cancer Cells. Journal of Medicinal Chemistry, 2017, 60, 8441-8455.	6.4	27
77	Up-regulation of claudin-2 expression by aldosterone in colonic epithelial cells of mice fed with NaCl-depleted diets. Scientific Reports, 2017, 7, 12223.	3.3	12
78	Long-chain fatty acids inhibit human members of the aldo-keto reductase 1C subfamily. Journal of Biochemistry, 2017, 162, 371-379.	1.7	11
79	Claudin-5, -7, and -18 suppress proliferation mediated by inhibition of phosphorylation of Akt in human lung squamous cell carcinoma. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 293-302.	4.1	43
80	Strategy for designing selective Î±-l-rhamnosidase inhibitors: Synthesis and biological evaluation of l-DMDP cyclic isothioureas. Bioorganic and Medicinal Chemistry, 2017, 25, 107-115.	3.0	10
81	Enhancement of Endothelial Barrier Permeability by Mitragynine. Biological and Pharmaceutical Bulletin, 2017, 40, 1779-1783.	1.4	4
82	Chlorpheniramine Increases Paracellular Permeability to Marker Fluorescein Lucifer Yellow Mediated by Internalization of Occludin in Murine Colonic Epithelial Cells. Biological and Pharmaceutical Bulletin, 2017, 40, 1299-1305.	1.4	14
83	Kaempherol and Luteolin Decrease Claudin-2 Expression Mediated by Inhibition of STAT3 in Lung Adenocarcinoma A549 Cells. Nutrients, 2017, 9, 597.	4.1	57
84	Effects of ligand binding on the stability of aldoâ€“keto reductases: Implications for stabilizer or destabilizer chaperones. Protein Science, 2016, 25, 2132-2141.	7.6	24
85	Hypotonic Stress-induced Down-regulation of Claudin-1 and -2 Mediated by Dephosphorylation and Clathrin-dependent Endocytosis in Renal Tubular Epithelial Cells. Journal of Biological Chemistry, 2016, 291, 24787-24799.	3.4	31
86	Roles of aldo-keto reductases 1B10 and 1C3 and ATP-binding cassette transporter in docetaxel tolerance. Free Radical Research, 2016, 50, 1296-1308.	3.3	12
87	Timed Inhibition of Orexin System by Suvorexant Improved Sleep and Glucose Metabolism in Type 2 Diabetic db/db Mice. Endocrinology, 2016, 157, 4146-4157.	2.8	23
88	Aldo-keto reductase 1B10 promotes development of cisplatin resistance in gastrointestinal cancer cells through down-regulating peroxisome proliferator-activated receptor-Î³-dependent mechanism. Chemico-Biological Interactions, 2016, 256, 142-153.	4.0	29
89	Evaluation of compound selectivity of aldo-keto reductases using differential scanning fluorimetry. Journal of Biochemistry, 2016, 161, mvw063.	1.7	3
90	Human dehydrogenase/reductase (SDR family) member 11 is a novel type of 17Î²-hydroxysteroid dehydrogenase. Biochemical and Biophysical Research Communications, 2016, 472, 231-236.	2.1	23

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91	Claudin-18 inhibits cell proliferation and motility mediated by inhibition of phosphorylation of PDK1 and Akt in human lung adenocarcinoma A549 cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1170-1178.	4.1	41
92	Hyperosmolarity-Induced Down-Regulation of Claudin-2 Mediated by Decrease in PKCÎ²-Dependent GATA-2 in MDCK Cells. Journal of Cellular Physiology, 2015, 230, 2776-2787.	4.1	12
93	Quercetin Decreases Claudin-2 Expression Mediated by Up-Regulation of microRNA miR-16 in Lung Adenocarcinoma A549 Cells. Nutrients, 2015, 7, 4578-4592.	4.1	79
94	Synthesis of 8-hydroxy-2-iminochromene derivatives as selective and potent inhibitors of human carbonyl reductase 1. Organic and Biomolecular Chemistry, 2015, 13, 7487-7499.	2.8	15
95	Structureâ€“activity relationship of flavonoids as potent inhibitors of carbonyl reductase 1 (CBR1). FÃ¬toterapÃ¬Ã¢, 2015, 101, 51-56.	2.2	33
96	Identification of a determinant for strict NADP(H)-specificity and high sensitivity to mixed-type steroid inhibitor of rabbit aldoâ€“keto reductase 1C33 by site-directed mutagenesis. Archives of Biochemistry and Biophysics, 2015, 569, 19-25.	3.0	1
97	Acquisition of doxorubicin resistance facilitates migrating and invasive potentials of gastric cancer MKN45 cells through up-regulating aldoâ€“keto reductase 1B10. Chemico-Biological Interactions, 2015, 230, 30-39.	4.0	34
98	Clathrin-dependent endocytosis of claudin-2 by DFYSP peptide causes lysosomal damage in lung adenocarcinoma A549 cells. Biochimica Et Biophysica Acta - Biomembranes, 2015, 1848, 2326-2336.	2.6	9
99	Protective roles of aldo-keto reductase 1B10 and autophagy against toxicity induced by p-quinone metabolites of tert-butylhydroquinone in lung cancer A549 cells. Chemico-Biological Interactions, 2015, 234, 282-289.	4.0	6
100	Synthesis of long-chain fatty acid derivatives as a novel anti-Alzheimerâ€™s agent. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 604-608.	2.2	7
101	Synthesis of non-prenyl analogues of baccharin as selective and potent inhibitors for aldo-keto reductase 1C3. Bioorganic and Medicinal Chemistry, 2014, 22, 5220-5233.	3.0	18
102	Exposure to 9,10-phenanthrenequinone accelerates malignant progression of lung cancer cells through up-regulation of aldo-keto reductase 1B10. Toxicology and Applied Pharmacology, 2014, 278, 180-189.	2.8	25
103	Nuclear distribution of claudin-2 increases cell proliferation in human lung adenocarcinoma cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2079-2088.	4.1	70
104	Probing AKR1C30 and AKR1C31 with Site-Directed Mutagenesis: Identifying the Roles of Residues 54 and 56 in the Binding of Substrates and Inhibitors. Biological and Pharmaceutical Bulletin, 2014, 37, 1848-1852.	1.4	0
105	Enantiodivergent synthesis of the quinolizidine poison frog alkaloid 195C. Tetrahedron, 2013, 69, 10311-10315.	1.9	16
106	Synthesis and antitumor evaluation of arctigenin derivatives based on antiausterity strategy. European Journal of Medicinal Chemistry, 2013, 60, 76-88.	5.5	40
107	Synthesis and structureâ€“activity relationship of 2-phenyliminochromene derivatives as inhibitors for aldoâ€“keto reductase (AKR) 1B10. Bioorganic and Medicinal Chemistry, 2013, 21, 6378-6384.	3.0	23
108	Stereoselective Total Synthesis of (â€“)â€Batzellasides A, B, and C. European Journal of Organic Chemistry, 2013, 2013, 2841-2848.	2.4	6

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109	Synthesis and biological evaluation of N-(2-fluorophenyl)-2Î²-deoxyfuconojirimycin acetamide as a potent inhibitor for Î±-l-fucosidases. Bioorganic and Medicinal Chemistry, 2013, 21, 6565-6573.	3.0	6
110	Substrate Specificity and Inhibitor Sensitivity of Rabbit 20Î±-Hydroxysteroid Dehydrogenase. Biological and Pharmaceutical Bulletin, 2013, 36, 1514-1518.	1.4	6
111	Synthesis and Biological Activities of the 3,5â€Disubstituted Indolizidine Poison Frog Alkaloid 239Q and Its Congeners. European Journal of Organic Chemistry, 2012, 2012, 7082-7092.	2.4	15
112	Selective Inhibition of Human Type-5 17Î²-Hydroxysteroid Dehydrogenase (AKR1C3) by Baccharin, a Component of Brazilian Propolis. Journal of Natural Products, 2012, 75, 716-721.	3.0	43
113	Characterization of rabbit aldose reductase-like protein with 3Î²-hydroxysteroid dehydrogenase activity. Archives of Biochemistry and Biophysics, 2012, 527, 23-30.	3.0	10
114	Design, synthesis, and biological evaluation of novel (1-thioxo-1,2,3,4-tetrahydro-Î²-carbolin-9-yl)acetic acids as selective inhibitors for AKR1B1. Bioorganic and Medicinal Chemistry, 2012, 20, 356-367.	3.0	11
115	Activation of aldo-keto reductase family member 1B14 (AKR1B14) by bile acids: Activation mechanism and bile acid-binding site. Biochimie, 2011, 93, 1476-1486.	2.6	6
116	Roles of rat and human aldoâ€“keto reductases in metabolism of farnesol and geranylgeraniol. Chemico-Biological Interactions, 2011, 191, 261-268.	4.0	57
117	Rat Aldose Reductase-Like Protein (AKR1B14) Efficiently Reduces the Lipid Peroxidation Product 4-Oxo-2-nonenal. Biological and Pharmaceutical Bulletin, 2010, 33, 1886-1890.	1.4	14
118	Selective Inhibition of the Tumor Marker AKR1B10 by Antiinflammatory N-Phenylanthranilic Acids and Glycyrrhetic Acid. Biological and Pharmaceutical Bulletin, 2010, 33, 886-890.	1.4	48
119	Chromene-3-carboxamide derivatives discovered from virtual screening as potent inhibitors of the tumour maker, AKR1B10. Bioorganic and Medicinal Chemistry, 2010, 18, 2485-2490.	3.0	66
120	Characterization of a rat NADPH-dependent aldo-keto reductase (AKR1B13) induced by oxidative stress. Chemico-Biological Interactions, 2009, 178, 151-157.	4.0	21
121	Molecular determinants for the stereospecific reduction of 3-ketosteroids and reactivity towards all-trans-retinal of a short-chain dehydrogenase/reductase (DHRS4). Archives of Biochemistry and Biophysics, 2009, 481, 183-190.	3.0	17
122	Kinetic studies of AKR1B10, human aldose reductase-like protein: Endogenous substrates and inhibition by steroids. Archives of Biochemistry and Biophysics, 2009, 487, 1-9.	3.0	94
123	Efficient Enantio- and Diastereodivergent Synthesis of Poison-Frog Alkaloids 251O and trans-223B. Journal of Organic Chemistry, 2009, 74, 6784-6791.	3.2	21
124	Enantioselective Syntheses of (â^')- and (+)-Monomorine I. Journal of Organic Chemistry, 2008, 73, 4575-4577.	3.2	35
125	Human carbonyl reductase 4 is a mitochondrial NADPH-dependent quinone reductase. Biochemical and Biophysical Research Communications, 2008, 377, 1326-1330.	2.1	32
126	Syntheses of the Proposed Structures of Poison-Frog Alkaloids 179 and 207E and Their Inhibitory Effects on Neuronal Nicotinic Acetylcholine Receptors. Synlett, 2008, 2008, 61-64.	1.8	12

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127	Characterization of an Oligomeric Carbonyl Reductase of Dog Liver: Its Identity with Peroxisomal Tetrameric Carbonyl Reductase. Biological and Pharmaceutical Bulletin, 2007, 30, 1787-1791.	1.4	14
128	Enzymatic characteristics of an aldoâ€“keto reductase family protein (AKR1C15) and its localization in rat tissues. Archives of Biochemistry and Biophysics, 2007, 465, 136-147.	3.0	22
129	Characterization of rat and mouse NAD+-dependent 3Î±/17Î²/20Î±-hydroxysteroid dehydrogenases and identification of substrate specificity determinants by site-directed mutagenesis. Archives of Biochemistry and Biophysics, 2007, 467, 76-86.	3.0	10
130	Flexible synthetic routes to poison-frog alkaloids of the 5,8-disubstituted indolizidine-class I: synthesis of common lactam chiral building blocks and application to the synthesis of (-)-203A, (-)-205A, and (-)-219F. Beilstein Journal of Organic Chemistry, 2007, 3, 29.	2.2	20
131	Synthesis of poison-frog alkaloids 233A, 235U, and 251AA and their inhibitory effects on neuronal nicotinic acetylcholine receptors. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 5872-5875.	2.2	30
132	Substrate Specificity of a Mouse Aldo-Keto Reductase (AKR1C12). Biological and Pharmaceutical Bulletin, 2006, 29, 2488-2492.	1.4	10
133	Enantioselective syntheses of poison-frog alkaloids: 219F and 221I and an epimer of 193E. Tetrahedron Letters, 2006, 47, 581-582.	1.4	18
134	The enantioselective synthesis of poison-frog alkaloids (â˜')-203A, (â˜')-209B, (â˜')-231C, (â˜')-233D, and (â˜')-235Bâ€³. Tetrahedron Letters, 2006, 47, 577-580.	1.4	26
135	Synthesis of Poison-Frog Alkaloids 237D, 207A, and Two Congeners of 235B' for Evaluation to Inhibitory Effect of Nicotinic Acetylcholine Receptors. Chemical and Pharmaceutical Bulletin, 2005, 53, 555-560.	1.3	7
136	Enantioselective syntheses of two 5, 9E diastereomers of 223V, an alkaloid from the poison frog Dendrobates pumilio. Tetrahedron, 2005, 61, 1187-1198.	1.9	21
137	Alkaloids Indolizidine 235Bâ€², Quinolizidine 1-epi-207I, and the Tricyclic 205B are Potent and Selective Noncompetitive Inhibitors of Nicotinic Acetylcholine Receptors. Molecular Pharmacology, 2004, 66, 1061-1069.	2.3	68
138	Total Synthesis of the Antipode of Alkaloid 205â€‰B. Angewandte Chemie - International Edition, 2003, 42, 3808-3810.	13.8	41
139	First enantioselective synthesis of (+)-quinolizidine : determination of the absolute stereochemistry. Tetrahedron Letters, 2003, 44, 569-570.	1.4	27
140	Synthesis of Alkaloid 223A and a Structural Revision. Organic Letters, 2002, 4, 1715-1717.	4.6	60
141	Stereodivergent Process for the Synthesis of the Decahydroquinoline Type of Dendrobatid Alkaloids. Journal of Organic Chemistry, 2002, 67, 6078-6081.	3.2	25
142	2-Piperidone Type of Chiral Building Block for 3-Piperidinol Alkaloid Synthesis. Journal of Organic Chemistry, 1999, 64, 4914-4919.	3.2	62
143	Highly stereoselective construction of trans(2,3)-cis(2,6)-trisubstituted piperidines: An application to the chiral synthesis of Dendrobates alkaloids. Tetrahedron, 1997, 53, 9553-9574.	1.9	65